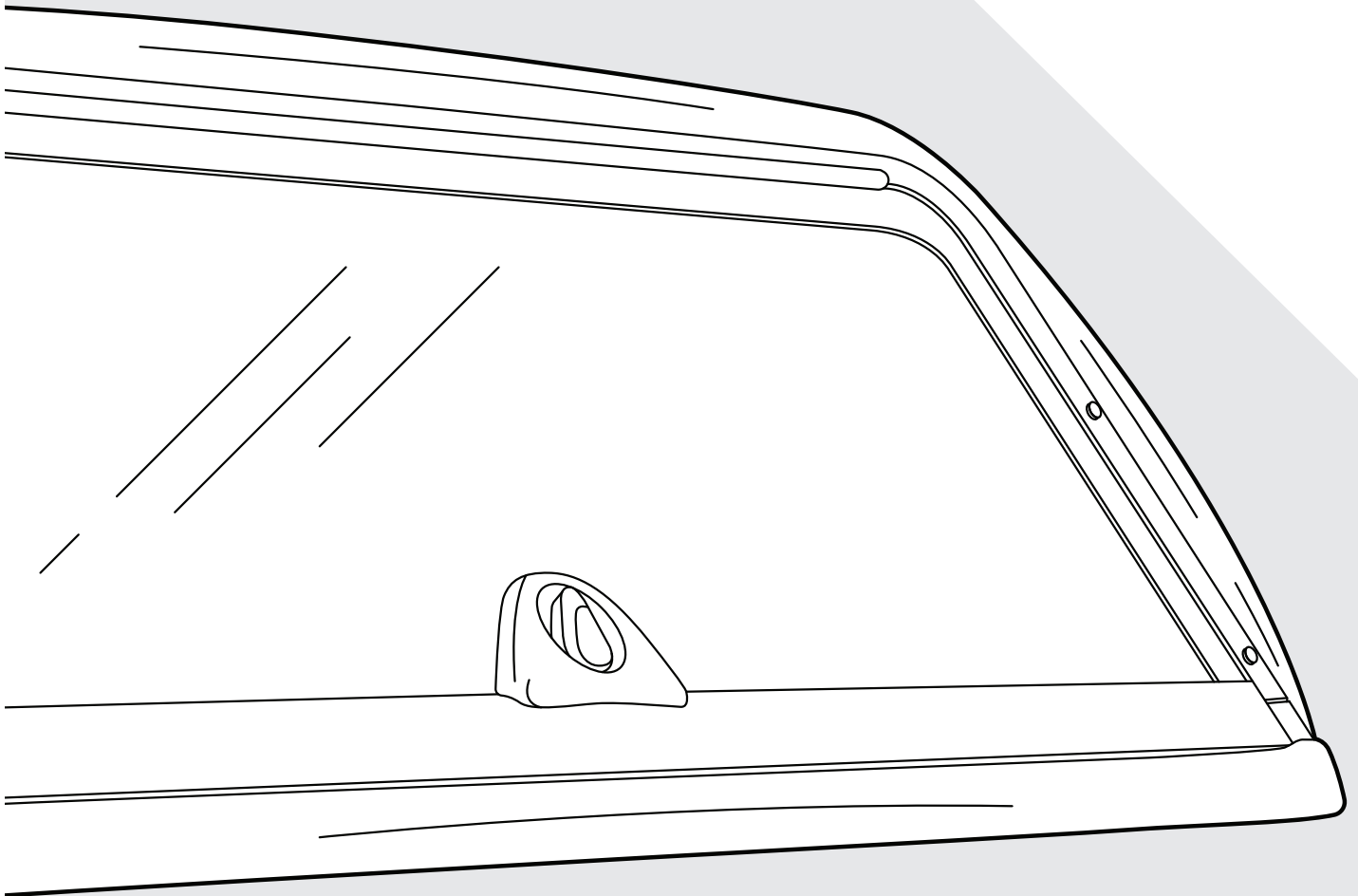




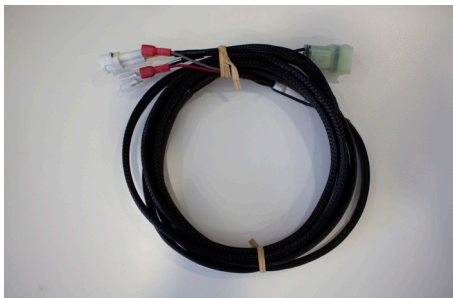
VEHICLE WIRING LOOM

INSTALLATION MANUAL

Ford Ranger PX3 2019+
Mazda BT-50 2012+

COMPONENTS SUPPLIED

Central Locking Vehicle Loom - F031
Code: C7B-LOOM-F031



Central Locking Canopy Loom - Generic
Code: C7B-LOOM-001

TOOLS REQUIRED

Wire Cutter



13mm Ratchet Spanner



Long Nose Pliers



Auto Fastener Clip Remover



27mm Hole Saw

STEP ONE

Remove all scrivenets holding the LH rear wheel arch liner on the vehicle and remove the wheel arch liner.

**STEP TWO**

Unscrew the LH tail light.

**STEP THREE**

Unpack the vehicle patch loom FEVFR01.



STEP FOUR

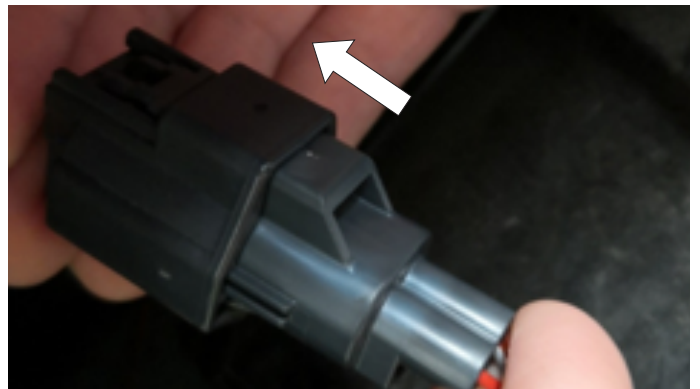
Behind the LH rear wheel arch liner, locate the fuel filler door motor's 2 way connector.

**STEP FIVE**

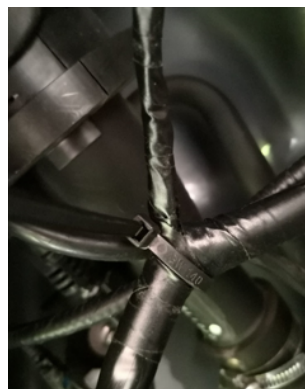
Disconnect the connector. Plug the female 2 way connector on the patch loom (FEVFR01) to the fuel filler door actuator.

**STEP SIX**

Plug the male 2 way connector on the patch loom (FEVFR01) to the vehicle's original female connector.

**STEP SEVEN**

Cable tie the 2 way connectors back inside the wheel arch.

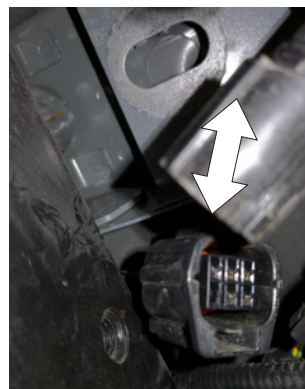


STEP EIGHT

Run the lid connector (6 way white) and the patch loom along chassis to LH tail light, cable tie the patch loom to existing vehicle harness if applicable, away from brake lines and exhaust systems.

**STEP NINE**

Locate the LH tail light connectors at LH rear of the chassis rail. Disconnect them.



STEP TEN

Connect the 6 way male connector on patch loom (FEVFR01) to the female connector on the chassis rail and connect the 6 way female connector on patch loom (FEVFR01) to the male connector on vehicle harness.

**STEP ELEVEN**

Cable tie the connectors to vehicle harnesses nearby.

**STEP TWELVE**

Run the lid connector up to the LH tail light.



STEP THIRTEEN

Drill 27mm dia hole - deburr.

Feed loom through hole and set gromet in place.

**STEP FOURTEEN**

Connect the lid connector to the 6 way female connector on generic canopy loom (FECAN01).

**STEP FIFTEEN**

Go back to chassis rail, cable tie excess length of patch loom to vehicle harnesses nearby

**STEP SIXTEEN**

Open the bonnet. Feed a plastic coated draw wire down inside next to the LH fire wall.



STEP SEVENTEEN

Go back to LH wheel arch, run the ring terminals and the patch loom to vehicle front. Cable tie the patch loom to chassis.

Ensure the loom is placed away from exhaust system and is not cable tied to brake lines, fuel lines or moving components or between flexible mounts.

**STEP EIGHTEEN**

After the patch loom run pass the LH front wheel, tape the front ring terminals of the patch loom to the draw wire.

**STEP NINETEEN**

Tape the rear ring terminal of the patch loom as shown, this is to aid with threading through the patch loom to engine bay.

**STEP TWENTY**

Pull the patch loom up into the engine bay.

The patch loom should be away from moving parts and underneath any fuel lines, brake lines, air conditioning pipes.



STEP TWENTY ONE

Make sure the relay box is connected to the patch loom.

**STEP TWENTY TWO**

Cable tie the relay box to the loom to secure it.

**STEP TWENTY THREE**

Remove the draw wire from the patch loom and untape the rear ring terminal.

**STEP TWENTY FOUR**

Connect the red wire to the positive terminal on the battery.



STEP TWENTY FIVE

Connect the black wire to the negative terminal earthed to the car.

**STEP TWENTY SIX**

Cable tie the patch loom including the relay box to the vehicle's wiring conduit on the LH inner fire wall below the windscreen wiper water deflector moulding.

**STEP TWENTY SEVEN**

Close all doors and do a functional test.

- Press Lock on remote, check canopy window which should be locked.
- Press Unlock on remote, check canopy window which should be unlocked.
- Get a helper to operate the brake pedal with the ignition on, check the brake light work properly.

Make sure all the above checks pass, then close the bonnet, put back the LH rear wheel arch liner, screw back the LH tail light.





NOTES



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